

UNCLASSIFIED

PROCESSING DATE--11SEP70

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CIRC ACCESSION NO--AP0109698

ABSTRACT/EXTRACT--(U) GP-0-

ABSTRACT. BARLEY FIELDS WERE SPRAYED AT THE
END OF MAY WITH 400 L.-HA OF SOLNS. OF PESCO T, BANLEN, AND COMBILLEN
PREPNS. AT 1.0-2.5 KG-HA. THE EFFECTIVENESS OF PESCO T INCREASED WITH
INCREASING DOSE. AT 2.0 KG-HA, IT ALMOST COMPLETELY KILLED ANNUAL AND
BIENNIAL DICOTYLEDENOUS WEEDS. AGAINST MONOCOTYLEDONS, IT WAS
CONSIDERABLY LESS EFFECTIVE. MOREOVER, IT STIMULATED THE GROWTH OF
BARLEY. BANLEN PROVED MOST EFFECTIVE AGAINST DICOTYLEDENOUS WEEDS AT
1.0 KG-HA; AND NONTOXIC TO BARLEY. AT HIGHER DOSES IT REDUCED BARLEY
YIELD, SUPPRESSED THE NO. OF DICOTYLEDONOUS WEEDS, AND INCREASED THAT OF
THE MONOCOTYLEDONS. COMBILLEN AT 2.0 KG-HA KILLED GREATER THAN
90PERCENT WEEDS AND INCREASED BARLEY YIELD. ANNUAL AND BIENNIAL
DICOTYLEDENOUS WEEDS, SUCH AS GOOSE FOOT, CUDWEED, OX EYE DAISY, AND
CORNFLOWER WERE HIGHLY SENSITIVE TO ALL 3 HERBICIDES; PEPPERMINT,
SONCHUS, SORREL, AND MILFOIL WERE MODERATELY SENSITIVE, WHEREAS COUCH
GRASS WAS INSENSITIVE.

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USSR

UDC 578.087.9:615.32+615.2

ADAMCHUK, L. V., and SAL'NIK, B. YU.

"The Effect of Some Rhodiola rosea and Pyridrol Preparations On the Plastic Metabolism of Rats During Exhaustive Muscle Loading", pp 90-93, Sintez Belka i Rezistentnost' Kletok (Proteins Synthesis and Cell Resistance), Leningrad, "Nauka," 1971, 104 pp

Abstract: A model of exhausting muscular work is described. Data are cited on the changes in the activity of proteolytic enzymes and on the content of RNA, DNA, and proteins in skeletal muscles, and also the level of DNA and RNA in the liver of white male rats when exhausted and during additional application of rhodozine (a purified water extract of the roots of Rhodiola rosea), n-tyrosol (n-hydroxyphenyl-beta-ethanol), rhodioloside (glucoside of n-tyrosol), and pyridrol. Possible mechanism of action of these preparations of plastic metabolism are examined.

USSR

UDC 621.317.757

CHERNITSER, V. M., PETROV, N. S., KNYAZEV, YU. M., and SAL'NIKOV, B. A.

"Phase System for Distortion Compensation in Heterodyne Analyzers With Preliminary Time Compression"

Tr. Taganrog. radiotekhn. in-ta (Works of the Taganrog Radio-Engineering Institute), 1972, vyp.28, pp 43-50 (from RZh-Radiotekhnika, No 11, Nov 72, Abstract No 11 A287)

Translation: The described phase system for compensation with respect to the type of closed automatic control system is designed to eliminate a series of difficulties which arise during the technical realization of this type of compensation system (readout ambiguity, the necessity of using two expensive high-stability generators for recording and producing the reference signal). The system is also designed to raise compensation stability. The basic element of the system is a pulse, phase discriminator. A trigger was used as the discriminator, terminated on a low frequency filter. The conducted experiments showed a sufficiently high effectiveness of the phase system for compensating distortions which were evoked by rate variation in the time compressors. The use of a phase system for compensation raises the permissible discrimination capacity of a spectra analyzer which is coupled to a time compressor. A.K.

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AA0043434- Sal'nikov, A.M.

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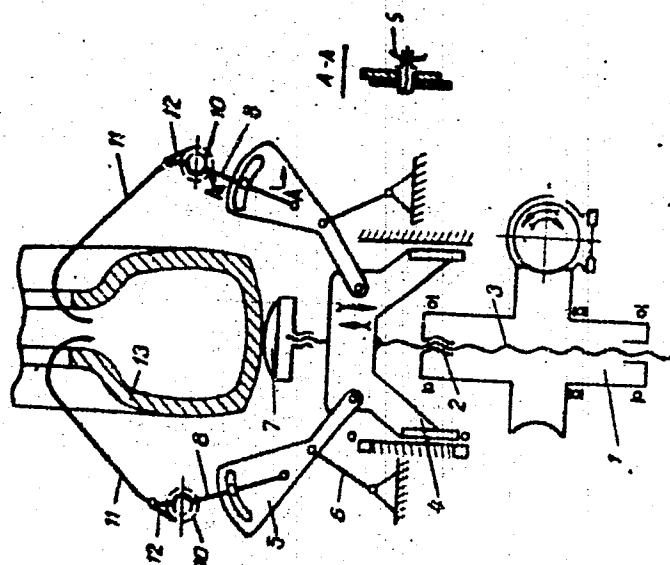
Soviet Inventions Illustrated, Section I Chemical, Derwent,

228264 TYRE MANUFACTURE machine for examination, cutting, and buffing, of tyre trends that have been subjected to localised damage, consists of a body section which incorporates the worm gear (1), nut (2) and screw (3). The upper end of the screw connects with the carrier (4) on which the levers (5) are hinge-mounted the levers also having the rocker arms (6) connected. The table (7) fits on top of the carrier. A second set of levers (8) are connected to (5) in such a way that, as they move they are guided by the slots: a special fixing device is used. A ratchet wheel (10) terminates levers (8) on each side, and these in turn support the grippers (11) which can be held in any position by the pawls (12). The tyre is loaded into the machine, held by the grippers, and has the cover (13) put over it. The tyre is free to rotate during the inspection, and then the fixing is done by raising the table (7). Repairs are then carried out whilst the tyre is securely held.

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1.6.67. as 1160377/23-5, MIRONOV, B.A. and others
Tyre Ind. Equipment Res. & Design Inst. (3.6.69)
Bul. 31/8.10.68. Class 39a⁶ Int. Cl. B 29h.

AUTHORS: Mironov, B. A.; Torgovtsev, G. G.; 40
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USSR

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SALNIKOV, A. P., GOGOL, A. A.

UDC 621.397.61

"Test Signal Generator of a Measuring Video Control Unit"

Materialy nauchno-tekhn. konferentsii. Leningr. elektrotekhn. in-t svyazi. Vyp. 3
(Materials of the Scientific and Technical Conference. Leningrad Electrotechnical
Communications Institute. Vyp. 3), Leningrad, 1970, pp 7-10 (from RZh-Radiotekhnika,
No 8, Aug 70, Abstract No 8G153)

Translation: This article contains an investigation of methods of shaping step
voltages. The block diagram and schematics of a test signal generator which
shapes ten-step and three-step signals to control the light-signal conversion
characteristic is presented.

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TITLE--EFFECT OF HIGHLY DISPERSED OXIDE INCLUSIONS ON THE
RECRYSTALLIZATION OF NICHROME -U-
AUTHOR--(03)-ANTSIFEROV, V.N., SALNIKOV, B.V., POLYAKOV, V.A.

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DATE PUBLISHED-----70

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REEL #27
ROKHLINA, M.M.
to
Salnikov, B.V.